

PERSONAL INFORMATION

Breban Ștefan



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JOB APPLIED FOR POSITION

Associate Professor, position number 12, Department of Electrical Machines and Drives, Technical University of Cluj-Napoca

WORK EXPERIENCE

01.03.2013 – present

Lecturer
 Technical University of Cluj-Napoca, 28 Memorandumului Street, 400114, Romania
www.utcluj.ro
 • Teaching and research activities on electrical machines and drives

01.10.2018 – 01.03.2013

Assistant Professor
 Technical University of Cluj-Napoca, 28 Memorandumului Street, 400114, Romania
www.utcluj.ro
 • Teaching and research activities on electrical machines and drives

10.01.2010 – present

Administrator
 BMEnergy Ltd, 80 Donath street, ap. 11, Cluj-Napoca, Romania
 • Wind turbines research activities

EDUCATION AND TRAINING

2005 - 2008 Ph.D. in Electrical Engineering, Technical University of Cluj-Napoca, ISCED 6
 Ecole Nationale Supérieure d'Arts et Métiers - Lille
 2005 – 2006 Thorough Studies Diploma, Automation of electric drives with high energy efficiency, Technical University of Cluj-Napoca
 2001 - 2005 Electrical Engineer, University of Cluj-Napoca

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
French	B2	B2	B2	B2	B2
Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user					

Organisational / managerial skills	<ul style="list-style-type: none"> ▪ Project management ▪ Responsible of research project
Computer skills	<ul style="list-style-type: none"> ▪ Microsoft Office™, Matlab/Simulink, JMAG
Driving licence	<ul style="list-style-type: none"> ▪ B
Publications	<ul style="list-style-type: none"> ▪ Scientific papers – 39, of which: 2 books and 2 book chapters; 10 papers published in international journals (3 WOS, 7 IDB); 25 papers presented at international conferences.
Patents	<ul style="list-style-type: none"> ▪ Stefan Breban, Victor Mester, Claudiu Oprea - Axial flux permanent magnet electrical machine with magnetic flux concentration - European Patent Office (2016). ▪ Stefan Breban, Petre-Dorel Teodosescu, Adriana-Voica Neag si Mihai Chirca – Electromechanic actuator with electronic control device – State Office for Inventions and Trademarks (2018).
Research projects	<p>National</p> <ul style="list-style-type: none"> ▪ The study of electromechanical conversion system of a microhydro power plant with variable speed - CNCSIS research Grant TD-421/2007 (duration 2007 -2008), budget 28240 lei, project manager ▪ Development and support of multidisciplinary postdoctoral programs in priority technical areas of national strategy research - development - innovation – 4D-POSTDOC”, Postdoctoral research project, POSDRU funding, period 2010 – 2013 (34 months), research member. ▪ Innovative wind energy conversion micro-system with direct-driven electric generator for residential uses, PCCA 29/2012, period 2012-2014, BMEnergy Ltd project partner manager. ▪ Management system of renewable energy for small communities, PCCA 53/2014, period 2014-2016, BMEnergy Ltd project partner manager. ▪ Experimental testing of counter-rotating VAWT, PED 64/2017, period Jan. 2017 – June 2018, UTCN project partner manager. ▪ Micro-inverters with high power density and high efficiency for renewable energy sources, Contract 16/1.09.2016, research team member. ▪ Advanced technologies for smart urban electric vehicles, Contract 11/1.09.2016, research team member. <p>International</p> <ul style="list-style-type: none"> ▪ “Développement et mise au point d’un réseau local d’alimentation et de RECUPération d’ENERgie à bord (RECUPENER), Lille, France, period 2010 – 2011 (12 months).

